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Zhang, Zhong-Jun, see Yue-Yun Wang 8 (1986/87) (3) 205–209
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Zheng, Y.-P., see P.B. Luh 5 (1984/85) (3) 165–168
Zhou, C.-S., see J.L. Deng 7 (1986) (2) 105–108
Zhou, K. and **P.P. Khargonekar**, On the weighted sensitivity minimization problem for delay systems 8 (1986/87) (4) 307–312
Zhou, K. and **P.P. Khargonekar**, Robust stabilization of linear systems with norm-bounded time-varying uncertainty 10 (1988) (1) 17– 20
Zhu, Kuan-Yi, see R. Gorez 9 (1987) (5) 369–377
Zhu, Y.M. and **G. Yin**, Adaptive filters with constraints and correlated non-stationary signals 10 (1988) (4) 271–279
Zolezzi, T., see G. Bartolini 7 (1986) (3) 189–193
Zolezzi, T., see G. Bartolini 10 (1988) (2) 111–117
Zwart, H.J., **R.F. Curtain**, **J.R. Partington** and **K. Glover**, Partial fraction expansions for delay systems 10 (1988) (4) 235–243
Zwart, H.J., see J.R. Partington 10 (1988) (6) 59– 65